

TCR Program – Application Approval Project #144 – April 1, 2002

San Francisco / Marin Seismic retrofit of the national landmark Golden Gate Bridge.

(\$ X 1,000)

<i>Estimated Project Cost:</i>	\$157,302	<i>TCRP Funds covered by application:</i>	\$5,000
<i>Total TCRP Funds Available:</i>	\$5,000	<i>Phases(s) covered by application:</i>	4
<i>Lead Agency:</i>	Golden Gate Bridge, Highway and Transportation District	<i>Implementing Agency:</i>	Same

TCRP Allocations approved (as of March 1, 2002): \$5,000

for Phase(s): 4

Advanced approved: \$5,000

for Phase(s): 4

Project Summary: This application is for Phase II of a 3 Phase construction project to seismically retrofit the Golden Gate Bridge. Work includes implementation of seismic retrofit measures to the south viaduct, south anchorage housing, Fort Point Arch, and pylons S1 and S2 as well as utility modifications throughout the south approach structures. South viaduct construction will install isolation bearings, replace supporting towers, strengthen roadway trusses, strengthen the foundations, and replace expansion joints. South anchorage construction will reinforce the housing structure internally, replace the west wall and portions the east wall, and reinforce the foundations. Fort Point Arch construction will install energy dissipation devices and expansion joints, add bracing, strengthen members, and modify bearings. Pylons S1 and S2 will be internally and externally strengthened with steel plates and anchorage to bedrock.

Cost and Schedule (\$ x 1,000)

<i>Phase</i>	<i>Scope</i>	<i>Start</i>	<i>End</i>	<i>Cost</i>
4	Construct roadways, structures and support	10/1/00	12/1/04	\$157,302
Total:				\$157,302

Funding Plan (\$ x 1,000)

Source	Type		Phase 1	Phase 2	Phase 3	Phase 4	Total
TCRP	State	Committed				\$5,000	\$5,000
		Proposed					
Demo	Federal	Committed				\$16,842	\$16,842
		Proposed					
DBF	Federal	Committed				\$46,765	\$46,765
		Proposed					
HBRR	Federal	Committed				\$45,000	\$45,000
		Proposed					
Federal STIP	Federal	Committed				\$23,018	\$23,018
		Proposed					
STIP Match	State	Committed				\$2,982	\$2,982
		Proposed					
Demo	Federal	Committed				\$9,563	\$9,563
		Proposed					
Tolls	Local	Committed				\$8,132	\$8,132
		Proposed					
	Totals:	Committed				\$157,302	\$157,302
		Proposed					
		Totals:					\$157,302

Prior TCRP Action: Original application was approved on January 17, 2001 (TA-01-01) for \$5,000,000 for Phase 4.

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Status of Conditions: No conditions set.

Discussion/Issues: No Issues. This project is well underway and began the construction phase in October of 2000, and as such, information for Phases 1 through 3 are not reflected in the application. The TCRP funding provides the final funding needed to fully fund the project. The applicant requests a one-time advance payment of \$5,000,000 (the full allocated amount) in order to simplify project invoicing and reporting for the TCRP program. The applicant states that given the larger cost of this project, of which TCRP funds represent approximately 4%, the requested advance will easily be spent within the first few months of the project.